



ALAMEDA COUNTY  
CONGESTION MANAGEMENT AGENCY

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July 13, 2009  
*Agenda Item 5.5*

**Memorandum**

**DATE:** June 30, 2009  
**TO:** Administration and Legislation Committee  
**FROM:** Bijan Yarjani, Ph.D., Project Manager  
**SUBJECT:** San Pablo Rapid Bus Stop Improvements Project: Construction Status Report

**Action Requested:**

The CMA's adopted Construction Administration Guide requires that a quarterly construction status report be provided to the Administration and Legislation Committee. It is recommended that the Board review and approve the attached Construction Contract Progress Report for activities through June 30, 2009.

**Discussion:**

The Alameda County CMA, in association with AC Transit, has secured a total of \$2,815,047 in Measure B funds to plan, design and deploy the San Pablo Rapid Bus Stop Improvement Project. This project will provide improvements to 20 bus stops (10 intersections) along the San Pablo Avenue Corridors in the Cities of Oakland and Berkeley in Alameda County. The bus stops will be used for the Rapid Bus line on San Pablo Avenue. Other improvements will include streetscape enhancements, signals, crosswalks and other amenities.

The project also included plans for the installation of decorative crosswalk treatments at eight intersections in the Cities of Berkeley and Oakland. The decorative crosswalk treatment design was based on information provided by the City of Berkeley in November 2005. After completion of the geotechnical report, it was anticipated that the contractor would encounter significant conflicts with existing utilities, underground water table and contaminated soils due to aerially deposited lead from many years of vehicle traffics.

As a consequence, the ACCMA worked with staff from Caltrans, the Cities of Oakland and Berkeley, AC Transit and ACTIA to re-evaluate the decorative crosswalk treatments option. It was determined that it was not feasible to construct the concrete pavement section recommended

by the geotechnical engineer or to provide the integrally colored asphalt pavement within the existing funds. It was therefore decided to delete the decorative crosswalk treatment from the current contract for the amount of \$1,107,377.28 and to review alternative options for proceeding with construction of other improvements on San Pablo Avenue.

Through discussion with staff from both cities and funding agencies, it was further agreed to use the available funds for the design and installation of landscaped medians on San Pablo Avenue in the Cities of Oakland and Berkeley in addition to other improvements in the City of Oakland.

**Financial Impact:**

The revenues and costs associated with this project have been incorporated in the CMA's currently approved budget and will be funded through Measure B funds. No change to the CMA's approved budget is required.



ALAMEDA COUNTY CONGESTION MANAGEMENT AUTHORITY  
Project No. 02-07

## San Pablo Avenue Corridor Transit Improvements

Quarterly Progress Report No. 8  
April through June, 2009

Prepared by:



TRS Consultants, Inc.  
Project No. 20241-05  
6/22/09

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## San Pablo Avenue Corridor Transit Improvements ACCMA

Quarterly Progress Report No 8  
January through March, 2009

### Project Description

The Project includes constructing and completing to various public access and transportation improvements along the San Pablo Avenue Corridor. These improvements will increase AC Transit efficiency and ridership in concert with their current SMART Corridor Program by providing new bus stop enhancements and pedestrian accessibility at 10 locations between the cities of Oakland and Albany and enhance the San Pablo corridor between said cities. New improvements are to include p.c.c. surface items such as new/modified pedestrian ADA compliant access ramps and sidewalk access improvements, colored asphalt intersection construction (crosswalk areas) at 8 locations, pedestrian signal and lighting attenuation upgrades, pedestrian lighting standards, new striping, minor median landscaping, bus shelter improvements, bus kiosk(s) placement and minor underground improvements.

### Project Participants

**Owner:**

Alameda County Congestion Management Agency (ACCMA)  
Alameda County Transportation Improvement Agency (ACTIA)  
Alameda County Transit (AC Transit)  
Metropolitan Transportation Commission (MTC)  
California Department of Transportation  
City's of Oakland, Emeryville, Berkeley and Albany

**Owners Representative:** Dr. Bijan Yarjani, Ph.D. (ACCMA) – Project Manager  
1333 Broadway, Suite 220  
Oakland, California 94612

**Engineer of Record/Architect of Record:**

Kimley Horn & Associates  
555 12<sup>th</sup> Street, Suite 1230  
Oakland, CA 94607

**Engineer of Record Representative:** Daniel Blomquist, PE - Project Engineer

**Contractor:**

Vanguard Construction, Inc.  
651 Enterprise Court  
Livermore, CA 94550

**Contractor Representative:** Jim Sposeto – Project Manager

**Construction Manager:**

TRS Consultants, Inc.  
5000 Executive Parkway, Suite 430  
San Ramon, CA 94583

**CM Representative:** Mike Schaaf, PE – Construction Manager  
Scott Goodwin, Inspector of Record  
David Sanchez, Inspector of Record (Phase II)

## Project Milestones

- **Notice of Award :** 7-26-07
- **Project Re-Start Meeting :** 2-5-08
- **Notice to Proceed:** 8/17/07  
2/21/08 (original revised)  
12/8/08 (Phase II)

Contract Working Days: 85 working days

First Working Day: February 25, 2008

Last Working Day: June 27, 2008 (calculated)

Last Working Day: July 15, 2008 (projected per CCO and MOU)

Amended Last Working Day: January 14, 2009 (Phase II improvements)  
February 24, 2009 (major work completed)

Contract Award Amount:     \$ 1,902,282.28 (w/Add Alternate Bid items)  
                                     \$ 1,609,285 (w/o Add Alternate Bid Items)

## Construction Progress This Period

### Overview-

Work under the provided Contract Change Order No. 5 (Phase II) was authorized via a negotiated cost agreement which was reached on November 21, 2008 and the contractor began this work program with the first working day beginning on December 8, 2008.

The contractor has now completed all major items of work of both the original contract improvements (Phase I) and the adjusted (Phase II) improvements along the San Pablo corridor.

Through the date of this report, all p.c.c. and associated items are now completed per the remaining original Phase I and adjusted Phase II improvement plans. All current invoicing and outstanding extra work items have been administered and paid for via progress estimates 7 and 8, inclusive of the partial release of contract retention to 5%.

### Activity-

In an effort to complete the project program within the prescribed funding allocation, it was determined to proceed with "Phase III" improvements which entail the design and improvement of new raised traffic and landscaped median within the Cities of Oakland and Berkeley between 67<sup>th</sup> St. and Folger St.. Ongoing discussions have continued between the participatory agencies, inclusive of AC Transit and Caltrans District 4 to determine the viability and concurrence of this additional work.

Kimley-Horn submitted the proposed plans to Caltrans District 04 and the cities of Oakland and Berkeley in early March and received comments. Subsequently, the Project Engineer updated the pending plans for final review and acceptance. The City of Oakland however has not yet furnished a letter

accepting maintenance responsibility for their portion of landscaping, irrigation and hardscape improvements associated with the median as required by Caltrans. The Project Engineer is currently holding the final submittal of the revised plans to Caltrans for their Encroachment Permit review until they receive the necessary letter of acceptance from Oakland; as noted, they have received the necessary letter from the City of Berkeley.

Upon receipt of the necessary letter from Oakland, and per the final submittal and the expected Caltrans review time, the pending Phase III improvement plans should be available for construction in mid-to-late July '09. The project contractor (Vanguard Construction) has been afforded review and opportunity to provide estimate of cost for the pending Phase III work and has agreed to outlined costs associated to the median improvements via Contract Change Order No. 10 for the agreed upon amount of \$180,640. The CMA currently has the approved change order and will release via Notice to Proceed to the contractor upon approval and permitting of the final plans by Caltrans.

### **Construction Issues**

There are no current construction issues as the Phase I and II work has been completed.

As the City of Oakland is currently experiencing difficulty in providing the necessary landscaping maintenance agreement and acknowledgement as required by Caltrans, the median plans may require alteration. The Project Engineer has discussed this possibility with both City of Oakland and CMA staff for possible solution and alternative. As of the date of this report, ongoing discussions have occurred to determine a temporary plan within the City of Oakland portion of the median which will allow for a permanent landscaping and planting program at a later date by the City of Oakland ( a final solution has not been determined).

### **Anticipated Work Next Report Period**

Upon acceptance of final Phase III median improvements plans from both Caltrans and the Cities, work is expected to begin mid to late July and be completed by the end of August, with project closeout administration and acceptance expected by no later than mid-September.

### **Project Meetings**

Various internal/external project management meetings have been held over the course of the past two months to determine the final Phase III and remaining planned improvements as acceptable to all stakeholders and to begin the Phase III improvements upon all necessary approvals.

### **Schedule**

The Contractor will be given the notice to proceed and will be required to complete all Phase III improvements and punchlist work within 30 working days per contract change order 10 upon approval of the construction documents. Work is now expected to begin mid to late July and be completed by the end of August.

### **Safety**

There are no current safety issues on the project.

## Request for Information / Clarification

The Contractor has not submitted any new requests for information for this period (to date) bringing the total RFI's to date to eight. These were passed onto the Engineer of Record (Kimley Horn) and the affected agencies as appropriate who responded to all of the requests.

## Submittals

The Contractor has provided 20 submittals to date.

## Change in the Work-

### Change Request (Engineer/CMA Generated)

- CCO No 1- In response to various discussions between the Cities of Oakland and Berkeley (and Caltrans), the contractor was requested to provide quote(s) to provide a 2" colored asphalt pavement section for the pending intersection treatment in lieu of the planned colored p.c.c. intersection due to design, permitting and cost issues.
- CCO No 4 – It was determined that the contractor could not provide the required colored asphalt pavement as acceptable to the stakeholders, thus this change order deleted in its' entirety all intersection improvement in regards to the planned colored asphalt option.
- CCO No 5- Phase II improvements (within City of Oakland project limits) to enhance pedestrian and public safety in regards to accessibility to bus stops, intersection crossings and general concrete items of work.
- CCO No. 10~ Phase III median improvements (between cities of Oakland and Berkeley project limits) to enhance pedestrian and traveling public safety in regards to accessibility to bus stops, intersection crossings.

### Contract Change Orders-

CCO No. 1 was issued and approved on January 28, 2008.

CCO No. 2,3 were issued and approved July 2008

CCO No. 4 was issued and approved July 2008

CCO No. 5 has been approved on 12/10/08

CCO No. 6-8 were issued and approved March 2009

CCO No. 9,10 were approved May 2009

*Complete Change Orders are as follows (approved to date):*

No. 2- Miscellaneous Improvements (lower domestic water service at 31 <sup>st</sup> , core-drill ac, Stanford SE ramp modifications	\$ 9,885.21
No. 3- Vanguard administrative costs for ac intersection preparation/testing	\$ 10,812.61
No. 4- Delete asphalt intersection treatment	-\$1,107,377.28
No. 5- Phase II P.C.C. (Transit Improvements- City of Oakland only)	\$ 410,872.50
No. 6- NextBus/kiosk foundation modifications per exist. conditions conflict	\$ 4,310.54
No. 7- Misc. Phase I/II plan and field adjustments per exist. conditions	\$ 5,084.98
No. 8- Modifications to the NAV-4wire system and Berkeley S/L's per PE	\$ 15,907.89
No. 9- Misc. ramp modifications per Project Engineer	\$ 7,590.92
No. 10- Phase III median improvements (pending)	\$ 180,640.00



**Disputes and Claims**

None to date; however the contractor may ultimately claim up to 6 additional days of traffic control/maintenance due to final resolution of ramp re-design within the City of Oakland project limits. (Nothing has been formally submitted to date).

The contractor has recently submitted various invoices for previously completed extra work items for Phase I and II improvements in regards to electrical, ramp and pedestrian signalization work modifications and requested item adjustments. Upon review and adjustment of the submitted extra work report and pre-approved items per verification of the actual work and support documentation, the additional work has been agreed upon and subsequently paid via project progress invoices 7 and 8. As noted, approximately \$40,000 was originally earmarked for this work in regards to the overall accounting tabulations of the project budget and encumbrance.

**Construction Management**

The Project Inspector of Record, David Sanchez has monitored the Phase II work on a daily basis as needed throughout the construction period also monitoring the punchlist work within Oakland and also dealing with field and administrative matters in coordination with both the Construction Manager and all affected local agencies and stakeholders to the project.

The materials testing laboratory, Signet Testing Labs, has provided ongoing support as needed including general materials testing, density testing and p.c.c. compression testing to date. No further work requiring special testing is expected.

## Construction Schedule and Budgets

The following is a breakdown of contract time and costs expended to date:

Time	% Time	Calendar Days
Contract		85
CCO Extensions (Phase I)		2
<b>Total Contract Time</b>		87
This Period (Phase II)		25
Previous Total		87
Total Time to Date	100%	25
<b>Balance Remaining</b>	0%	0
Original Completion Date		25-Jun-08
<b>Current Completion Date</b>		15-Feb-09
<i>Planned Completion Date</i>		31-Aug-09 (Phase II 2/14/09)

## Construction Expenditures and Budget – Vanguard Construction

Contract Bid Amount		\$ 1,953,145
Approved Change Orders		-\$ 513,135.38
Current Contract Amount		\$1,902,282.28
Total Progress Payments	61%	\$ 1,200,220.44
Progress Payments (1-8)	w/o contingency	w/cont. (Paid to Date)
Total:	\$1,200,220.44	Total: \$1,147,721.02

Change Orders in Process/Approved as of 5/28/09	Day's	Adjusted Contract
(total of 1 thru 10) -\$513,135.38 approved	50	\$1,440,009.62

Estimated Remaining Budget: \$ 752,924.86

## Construction Management Contract Budget (TRS)

Following is a breakdown of the TRS Consultants Inc. budget to date:

Task Orders	%Complete	Budget
T O 1	100%	\$ 50,000.00
Contract		\$ 98,162.34
<b>Contract Budget</b>		<b>\$ 148,162.34</b>
Amendments		\$ 30,000.00
<b>Current Budget</b>		<b>\$ 178,162.34</b>
<b>Total Invoiced (No.'s 1-14)</b>	100%	\$ 157,560.24
<b>Original Balance Remaining*</b>	0%	<b>\$ 102.10</b>
* banked hours for inspection: 94 hrs		
Estimated Balance to date	0%	\$ 20,500